

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (withdrawn): A double suction-type sucker which suction-adheres a printing plate, a protective sheet including a predetermined porosity being interposed between the sucker and the printing plate, the sucker comprising:

a mounting base portion;

a main body portion disposed downward of the mounting base portion;

a skirt portion attached at a lower portion of the main body portion and capable of closely corresponding with the protective sheet for suction-adherence of the printing plate; and

a joining structure which joins the mounting portion with the main body portion, the joining structure converting a moment which acts on the main body portion and the skirt portion during a suction-adherence operation to two intersecting force components for reducing deformation of the main body portion and preventing relative movement between the protective sheet and the printing plate.

2. (withdrawn): The sucker of claim 1, wherein the main body portion comprises stiffness.

3. (withdrawn): The sucker of claim 1, wherein the skirt portion comprises resilience.

4. (withdrawn): The sucker of claim 1, wherein the skirt portion comprises an outer periphery capable of closely corresponding with the protective sheet during the suction-adherence operation.

5. (withdrawn): The sucker of claim 1, wherein the joining structure comprises a spring.

6. (withdrawn): The sucker of claim 1, wherein the joining structure comprises a tubular body fabricated of rubber.

7. (withdrawn): The sucker of claim 1, wherein the joining structure comprises a support shaft, a stopper and a spring.

8. (currently amended): A ~~double suction type sucker~~ capable of which suction- ~~adhering~~ a printing plate, and a protective sheet ~~including a predetermined porosity being~~ interposed between the sucker and the printing plate, the sucker comprising:

a main body portion integrally including a mounting base portion and including a suction-adherence surface; and

a skirt portion attached at the suction-adherence surface side of the main body portion,  
said skirt portion being configured so as to ~~and capable of~~ closely corresponding with the  
protective sheet ~~for~~ during a suction-adherence operation of the printing plate,

wherein the main body portion includes a predetermined stiffness for reducing  
deformation of the main body portion, ~~which deformation is based on an external force that acts~~  
~~on the main body portion and the skirt portion during a suction-adherence operation;~~ and  
preventing relative movement between the protective sheet and the printing plate during the  
suction-adherence operation;- and

wherein the skirt portion is configured with a predetermined resilience such that, during  
the suction-adherence operation, a surface of the skirt portion that closely corresponds with the  
protective sheet is substantially parallel to the suction-adherence surface of the main body  
portion.

9. (currently amended): A sucker capable of suction-adhering a printing plate and a  
protective sheet interposed between the sucker and the printing plate, the sucker comprising:

a main body portion integrally including a mounting base portion and including a  
suction-adherence surface; and

a skirt portion attached at the suction-adherence surface side of the main body portion,  
said skirt portion being configured so as to closely correspond with the protective sheet during a  
suction-adherence operation of the printing plate.

wherein the main body portion includes a predetermined stiffness for reducing deformation of the main body portion and preventing relative movement between the protective sheet and the printing plate during the suction-adherence operation; and

~~The sucker of claim 8,~~ wherein, if

a resilient force in the skirt portion in a suction direction, which intersects the suction-adherence surface, is  $E_1$ ,

a resilient force in the skirt portion in a direction parallel to the suction-adherence surface is  $E_2$ ,

a total component in the suction direction of a suction force during the suction-adherence operation is  $P_1$ , and

a total component of this suction force parallel to the suction-adherence surface is  $P_2$ , then

$$E_1 < P_1 \text{ and } E_2 > P_2.$$

10. (currently amended): A sucker capable of suction-adhering a printing plate and a protective sheet interposed between the sucker and the printing plate, the sucker comprising:

a main body portion integrally including a mounting base portion and including a suction-adherence surface; and

a skirt portion attached at the suction-adherence surface side of the main body portion, said skirt portion being configured so as to closely correspond with the protective sheet during a suction-adherence operation of the printing plate,

wherein the main body portion includes a predetermined stiffness for reducing deformation of the main body portion and preventing relative movement between the protective sheet and the printing plate during the suction-adherence operation; and

~~The sucker of claim 8, wherein the sucker is configured such that when the sucker is suction-adhering the printing plate and protective sheet during the suction adherence operation, a gap t between the suction-adherence surface and the protective sheet during the suction-adherence operation~~ is set in accordance with a resilient force in the skirt portion, a coefficient of friction between the skirt portion and the protective sheet, and stiffness of the protective sheet, and the gap t is set to a range such that the protective sheet will substantially not be drawn in toward the suction-adherence surface ~~at a moment in time of~~ during the suction-adherence of the protective sheet.

11. (currently amended): The sucker of claim 108, wherein the sucker is configured such that when the sucker is suction-adhering the printing plate and protective sheet during the suction-adherence operation, thea gap t formed between the suction-adherence surface and the protective sheet ~~during the suction-adherence operation~~ satisfies:  $0 \leq t \leq 0.5 \text{ mm}$ .

12. (canceled).

13. (original): The sucker of claim 8, wherein the suction-adherence surface comprises a surface including numerous minute protrusions and indentations.

AMENDMENT UNDER 37 C.F.R. § 1.111  
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14. (canceled).

15. (original): The sucker of claim 8, wherein the skirt portion comprises an outer periphery capable of closely corresponding with the protective sheet during the suction-adherence operation.

16. (new): The sucker of claim 8, wherein the suction-adherence surface comprises at least one of a sponge and a brush.